

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
 Data File : VY023305.D
 Acq On : 08 Sep 2025 11:01
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 09 01:44:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 09 01:40:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/09/2025
 Supervised By :Semsettin Yesilyurt 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	511669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	782027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	680751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	346753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93114	20.710	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.420%#		
35) Dibromofluoromethane	7.640	113	97135	20.320	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.640%#		
50) Toluene-d8	10.109	98	367821	20.377	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	40.760%#		
62) 4-Bromofluorobenzene	12.408	95	113674	20.011	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	40.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	88896	21.656	ug/l	100
3) Chloromethane	2.074	50	123543	21.032	ug/l	100
4) Vinyl Chloride	2.208	62	154963	20.941	ug/l	99
5) Bromomethane	2.592	94	125025	20.692	ug/l	99
6) Chloroethane	2.739	64	103204	20.609	ug/l	96
7) Trichlorofluoromethane	3.062	101	195012	20.879	ug/l	98
8) Diethyl Ether	3.464	74	51072	20.666	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	104609	20.826	ug/l	100
10) Methyl Iodide	4.007	142	120176	20.510	ug/l	100
11) Tert butyl alcohol	4.866	59	25644	98.710	ug/l	97
12) 1,1-Dichloroethene	3.793	96	98352	20.354	ug/l	100
13) Acrolein	3.659	56	45259	103.049	ug/l	98
14) Allyl chloride	4.385	41	125039	20.485	ug/l	99
15) Acrylonitrile	5.061	53	97916	100.646	ug/l	99
16) Acetone	3.879	43	98751	96.424	ug/l	99
17) Carbon Disulfide	4.110	76	317818	20.775	ug/l	99
18) Methyl Acetate	4.391	43	52080	20.731	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	229823	20.228	ug/l	98
20) Methylene Chloride	4.622	84	110980	20.255	ug/l	100
21) trans-1,2-Dichloroethene	5.116	96	111022	20.564	ug/l	95
22) Diisopropyl ether	6.025	45	279204	20.539	ug/l	95
23) Vinyl Acetate	5.964	43	762417	101.451	ug/l	100
24) 1,1-Dichloroethane	5.921	63	184050	20.700	ug/l	98
25) 2-Butanone	6.896	43	128467	101.919	ug/l	99
26) 2,2-Dichloropropane	6.884	77	161798	20.609	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	123993	20.281	ug/l	99
28) Bromochloromethane	7.250	49	72739	20.791	ug/l	98
29) Tetrahydrofuran	7.268	42	76442	102.243	ug/l	99
30) Chloroform	7.427	83	196739	20.594	ug/l	98
31) Cyclohexane	7.707	56	161741	20.557	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	175981	20.618	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139217	20.448	ug/l	99
37) Ethyl Acetate	6.988	43	55365	20.442	ug/l	100
38) Carbon Tetrachloride	7.823	117	158423	20.222	ug/l	99
39) Methylcyclohexane	9.115	83	174931	20.084	ug/l	97
40) Benzene	8.085	78	435169	20.563	ug/l	99

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41) Methacrylonitrile	7.226	41	31395m	20.864	ug/l	
42) 1,2-Dichloroethane	8.164	62	109981	20.412	ug/l	100
43) Isopropyl Acetate	8.201	43	105821	20.089	ug/l	99
44) Trichloroethene	8.872	130	121229	20.567	ug/l	99
45) 1,2-Dichloropropane	9.146	63	98694	20.650	ug/l	95
46) Dibromomethane	9.231	93	59559	20.463	ug/l	100
47) Bromodichloromethane	9.426	83	148346	20.259	ug/l	100
48) Methyl methacrylate	9.225	41	49361	20.104	ug/l	99
49) 1,4-Dioxane	9.237	88	11411	386.213	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	270262	100.283	ug/l	99
52) Toluene	10.170	92	276811	20.612	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	125515	19.909	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	153964	20.438	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	78175	20.191	ug/l	98
56) Ethyl methacrylate	10.445	69	86701	19.329	ug/l	99
57) 1,3-Dichloropropane	10.719	76	128839	20.498	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	181539	92.857	ug/l	100
59) 2-Hexanone	10.762	43	188342	101.094	ug/l	97
60) Dibromochloromethane	10.914	129	105879	20.155	ug/l	100
61) 1,2-Dibromoethane	11.018	107	73861	20.358	ug/l	97
64) Tetrachloroethene	10.652	164	148800	21.931	ug/l	98
65) Chlorobenzene	11.444	112	306189	20.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	105682	20.189	ug/l	99
67) Ethyl Benzene	11.524	91	497762	20.430	ug/l	100
68) m/p-Xylenes	11.633	106	401968	41.202	ug/l	100
69) o-Xylene	11.956	106	184121	20.387	ug/l	99
70) Styrene	11.969	104	306789	20.496	ug/l	99
71) Bromoform	12.133	173	62332	19.996	ug/l #	99
73) Isopropylbenzene	12.255	105	476323	20.393	ug/l	100
74) N-amyl acetate	12.072	43	86035	19.487	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	76107	19.415	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	64463m	16.803	ug/l	
77) Bromobenzene	12.536	156	119243	19.983	ug/l	99
78) n-propylbenzene	12.597	91	565486	20.541	ug/l	100
79) 2-Chlorotoluene	12.682	91	322223	20.322	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	392810	20.678	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	25026	19.436	ug/l	98
82) 4-Chlorotoluene	12.779	91	340201	20.505	ug/l	99
83) tert-Butylbenzene	12.999	119	343022	19.937	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	389304	20.715	ug/l	100
85) sec-Butylbenzene	13.176	105	515162	20.579	ug/l	99
86) p-Isopropyltoluene	13.292	119	431885	20.424	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	236278	20.010	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	237319	20.291	ug/l	99
89) n-Butylbenzene	13.621	91	378395	20.177	ug/l	99
90) Hexachloroethane	13.883	117	93360	20.365	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	206872	20.093	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12396	20.153	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	117002	19.482	ug/l	100
94) Hexachlorobutadiene	15.023	225	74337	20.020	ug/l	100
95) Naphthalene	15.145	128	180169	18.665	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	101733	19.506	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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